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| 1.2.                        | AA          | 5,977,538  | 11/02/1999 -                     | E. C. UNGER, et al.           |                  |                                  |  |                                       |  |
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| Shoilchi KANAYAMA, et al.  | (Modified) PATENT AND TRADEMARK OFFICE    |                      |                                       | 240964US2S      | 10/628,446                              |              |              |                          |  |  |  |
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| U.S. PATENT DOCUMENTS  | LIST OF                                   | REFER                | RENCES OFFED BY APP                   | 1               | Shoichi KANAYAMA, et al.                |              |              |                          |  |  |  |
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| NUMBER   |   |                      | ALD.                                  | OE MART         | U.S. PATENT DOCUMENTS                   |              |              |                          |  |  |  |
| AA   2003/0069491 A1   04/10/2003   Robert A. KRUGER   |   |                      | DOCUMENT                              | DATE            | NAME                                    | CLASS        | SUB          |                          |  |  |  |
| AB   6.212,421   04093/2001   Tuan VO-DINH, et al.   |   | AA                   |                                       | 04/10/2003      | Robert A. KRUGER                        | A KRUGER     |              |                          |  |  |  |
| AC 5,840,023   11/24/1998   Alexander A. Oraevsky, et al.  | 200.                                      | AB                   | 6,212,421                             | 04/03/2001      | Tuan VO-DINH, et al.                    |              |              |                          |  |  |  |
| AD   5,713,356   02/03/1998   Robert A. KRUGER   | <del>    </del>                           | AC                   |                                       | 11/24/1998      | Alexander A. Oraevsky, et al.           | 1            |              | <del></del>              |  |  |  |
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